

Vidas, Arrett & Steinkraus Utility Patent Application Transmittal		Atty. Docket No	S40.2-11278-US01
		First Inventor	KIM, Ig Saeng, et al.
		Title:	Heat Driven Acoustic Orifice Type Pulse Tube Cryocooler
		Express Mail Label No.	EL 992794581 US
Application Elements		Address To:	Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
1. <input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Check Included			Pages 1
2. <input checked="" type="checkbox"/> Applicant claims small entity status			Pages 18
3. <input checked="" type="checkbox"/> Specification (including 0 pg cover sheet, 14 pg description, 3 pg claims and 1 pg abstract)			Pages 6
4. <input checked="" type="checkbox"/> Drawings			Pages
5. <input type="checkbox"/> Oath or Declaration <ul style="list-style-type: none"> a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 19 completed) i. <input type="checkbox"/> Deletion of Inventor(s) – signed statement attached deleting inventors named in the prior application 			Pages
6. <input checked="" type="checkbox"/> Application Data Sheet			Pages 5
7. <input type="checkbox"/> Assignment Papers (cover sheet & documents and check) <ul style="list-style-type: none"> <input type="checkbox"/> Previously recorded on _____, Reel _____, Frames 			Pages
8. <input type="checkbox"/> Power of Attorney <ul style="list-style-type: none"> <input type="checkbox"/> 37 C.F.R. 3.73(b) Statement (when there is an assignee) 			Pages
9. <input type="checkbox"/> English Translation Document			Pages
10. <input type="checkbox"/> Information Disclosure Statement <ul style="list-style-type: none"> <input type="checkbox"/> Copies of Citations (_____ references) 			Pages
11. <input type="checkbox"/> Preliminary Amendment			Pages
12. <input checked="" type="checkbox"/> Return Receipt Postcard			Pages 1
13. <input type="checkbox"/> Certified Copy of Priority Document			Pages
14. <input type="checkbox"/> Nonpublication Request			Pages
15. <input checked="" type="checkbox"/> Constructive Petition			Pages 1
16. <input type="checkbox"/> Limited Authorization			Pages
17. <input checked="" type="checkbox"/> VAS Utility Patent Application Transmittal			Pages 1
18. <input type="checkbox"/> Other			Pages
19. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet			
<input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part Of prior application no. _____			
Prior Application Information: Examiner _____ Group Art Unit _____			
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.			
20. TOTAL NUMBER OF PAGES 33			
21. CORRESPONDENCE ADDRESS <i>490</i>			
INSERT CUSTOMER NUMBER LABEL ABOVE			
Nam	Scott Q. Vidas/R g. No. 30,812		
Signature	<i>[Signature]</i>		Date 8/18/2003

03917 U.S. PTO
10/643239
08/18/03

17638 US PTO
08/18/03

FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Applicant claims small entity status. See CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 750.00)

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None
 Deposit Account:

Deposit Account Number: 22-0350

Deposit Account Name: Vidas, Arrett & Steinraus

The Commissioner is authorized to: (check all that apply)
 Charge the fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	\$750.00
1002	330	2002	165	Design filing fee	---
1003	520	2003	260	Plant filing fee	---
1004	750	2004	375	Reissue filing fee	---
1005	160	2005	80	Provisional filing fee	---

SUBTOTAL (1) (\$ 750.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
11	-20** =	X ----	= 0
Independent Claims	1	-3*** =	X ---- = 0
Multiple Dependent			----
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)
1202	18	2202	9

Claims in excess of 20

SUBTOTAL (2) (\$ -0-

** or number previously paid, if greater; For Reissues, see above

Complete if Known					
Application Number					Not Yet Assigned
Filing Date					Concurrently Herewith
First Named Inventor					KIM, Ig Sarng, et al.
Examiner Name					Not Yet Assigned
Art Unit					Not Yet Assigned
Attorney Docket No.					S40.2-11278-US01
FEE CALCULATION (continued)					
3. ADDITIONAL FEES					
Large Entity	Fee	Small Entity	Fee	Fee Description	
Fee Code	(\\$)	Fee Code	(\\$)	Fee Paid	
1051	130	2051	65	Surcharge-late filing fee oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording of each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) _____					SUBTOTAL (3) (\$)
*Reduced by Basic Filing Fee Paid					

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Scott Q. Vidas	Registration No.	30,812	Telephone 952-563-3000
Signature				
			Date	08/18/2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	KIM, Ig Saeng, et al.
Application No.:	Not Yet Assigned
Filed:	Concurrently Herewith
For:	Heat Driven Acoustic Orifice Type Pulse Tube Cryocooler
Examiner:	Not Yet Assigned
Group Art Unit:	Not Yet Assigned

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Docket No.: S40.2-11278-US01

**CONSTRUCTIVE PETITION FOR EXTENSION OF TIME AND FEE
AUTHORIZATION PURSUANT TO 37 C.F.R. §1.136(a)(3)**

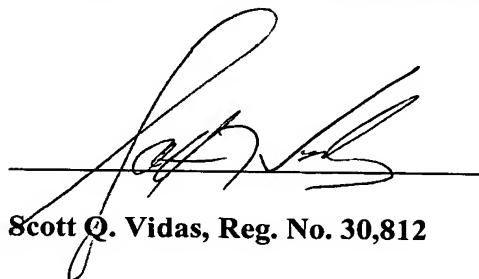
Applicant hereby requests that the United States Patent and Trademark Office treat any concurrent or future reply requiring a petition for an extension of time pursuant to §1.136 for its timely submission as incorporating therein a petition for an extension of time for the appropriate length of time.

Applicant authorizes the Commissioner of Patents and Trademarks to charge all required extension of time fees that have not otherwise been paid to Deposit Account No. 22-0350.

Respectfully submitted,
VIDAS, ARRETT & STEINKRAUS

Date: August 18, 2003

By:



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